Mathematical

Reviews

W. Feller

Edited by E. Hille

H. Whitney

J. V. Wehausen, Executive Editor

Volume 11, 1950

Sponsored by

The American Mathematical Society
The Mathematical Association of America
The Institute of Mathematical Statistics
The Edinburgh Mathematical Society
L'Intermédiaire des Recherches Mathématiques
Matematisk Forening i København
Het Wiskundig Genootschap te Amsterdam
The London Mathematical Society
Polish Mathematical Society
Unión Matemática Argentina
Indian Mathématical Society
Société Mathématique de France
Unione Matematical Italiana

Math. PA 1 ·M4236

Mathematical

Four Alge

The

S

This publication was made possible in part by funds granted by the Carnegie Corporation of New York, the Rockefeller Foundation, and the American Philosophical Society held at Philadelphia for Promoting Useful Knowledge. Its preparation is also supported currently under a contract with the office of Air Research, Department of the Air Force, U. S. A. These organizations are not, however, the authors, owners, publishers, or proprietors of this publication, and are not to be understood as approving by virtue of their grants any of the statements made or views expressed therein.

TABLE OF CONTENTS

History: 149, 571, 707.

Foundations: 1, 73, 151, 303, 411, 487, 635, 708.

Algebra: 3, 74, 153, 305, 412, 488, 574, 637, 710.

Abstract algebra: 5, 75, 154, 308, 413, 489, 575, 638, 711.

Theory of groups: 7, 77, 156, 318, 415, 493, 578, 639, 712.

Number theory: 11, 80, 159, 229, 328, 417, 499, 580, 640, 713.

Analysis: 16, 85, 164, 234, 333, 422, 503, 583, 646, 716.

Special problems (inequalities, convex functions, etc.): 16, 85, 234, 333, 422, 503, 583.

Calculus: 86, 237, 423, 584, 716.

Theory of sets, theory of functions of real variables: 17, 88, 164, 238, 335, 423, 504, 585, 646, 717.

Theory of functions of complex variables: 20, 91, 168, 337, 425, 507, 589, 648, 718.

Theory of series: 25, 97, 241, 346, 428, 511, 653.

Fourier series and generalizations, integral transforms: 26, 99, 172, 347, 429, 512, 591, 654.

Polynomials, polynomial approximations: 29, 101, 354, 431, 514, 661.

Special functions: 30, 104, 244, 433, 593, 662, 719.

Harmonic functions, potential theory: 106, 175, 357, 435, 515, 663.

Differential equations: 31, 109, 176, 247, 359, 437, 516, 594, 664, 720.

Difference equations, special functional equations: 112, 182, 364, 522, 598, 725.

Integral equations: 37, 183, 365, 523, 598, 726.

Functional analysis, ergodic theory: 38, 114, 185, 368, 441, 524, 599, 668, 729.

Calculus of variations: 253, 526, 603, 730.

Theory of probability: 40, 117, 187, 254, 374, 443, 604, 671, 731.

Mathematical statistics: 41, 190, 258, 445, 527, 607, 672, 732.

Mathematical economics: 192, 530.

Mathematical biology: 449.

686, 740,

Topology: 43, 120, 193, 377, 450, 531, 609, 675, 733.

Geometry: 49, 123, 197, 382, 453, 532, 611, 678, 735.

Convex domains, extremal problems, integral geometry: 51, 127, 200, 386, 455, 534, 680.

Algebraic geometry: 128, 202, 387, 456, 535, 613, 682, 736. Differential geometry: 52, 130, 207, 393, 458, 539, 616,

Numerical and graphical methods: 56, 135, 263, 401, 463, 543, 617, 691, 743.

Astronomy: 138, 212, 407, 465, 545, 694, 745.

Relativity: 59, 215, 409, 467, 546, 746.

Mechanics: 60. 217, 268, 469, 548, 621, 696, 747.

Dynamics: 60, 217, 268, 469, 548, 621, 747.

Hydrodynamics, aerodynamics, acoustics: 61, 220, 269, 471, 550, 622, 696, 749.

Elasticity, plasticity: 67, 281, 482, 556, 626, 700, 756.

Mathematical physics: 140, 292, 561, 629, 704, 759.

Optics, electromagnetic theory: 140, 292, 561, 629, 704, 759.

Quantum mechanics: 144, 297, 567, 631, 706, 761.

Thermodynamics, statistical mechanics: 147, 633.

Bibliographical notes: 148, 570.

Author index: 767.

Subject index: 831.

Abbreviations of names of journals: 859.

Errata and addenda: 870.

Transliteration of Russian: 873.

STUBBLE OF BUILDING

The second secon

The set of the set of

The state of the state of

